

## ABSTRACT

An apparatus, a method, and a computer program product for plotting proteomic and genomic data are presented. The apparatus comprises a computer system for generating data to display in a visual form. The computer system receives a set of proteomic and genomic data including data samples and schemes for partitioning the data samples into data partitions. Various operations are performed by the computer system in response to user commands, including adjusting the view of partition schemes in response to the selection of a particular partition scheme in order to allow a user to visually detect correlations among data. The system also allows for the performance of set operations on the proteomic and genomic data, and for displaying the results. Additionally, the computer system allows for operations for determining partition schemes and partitions in which a particular data sample are located, and for generating and modifying partition schemes.